Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/26/2018 09:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124419	-1	2.32	124547	2.24
Blue	F	SSC	125000	122671	-2	3.93	123617	3.94
Blue	E	FITC	15492	14937	-4	3.76	347	21.63
Blue	D	PE	28736	28060	-3	3.19	618	16.08
Blue	B	PerCP-Cy5-5	41413	41015	-1	4.70	1130	22.88
Blue	A	PE-Cy7	31321	31584	0	7.12	577	47.12
Red	C	APC	41673	40607	-3	3.09	1570	13.46
Red	A	APC-Cy7	29962	29483	-2	2.93	738	14.19
Violet	B	V450	8318	7807	-7	4.41	432	14.61
Violet	A	V500	34199	32780	-5	4.09	791	11.31

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20362	3.38	604	-9	N/A	N/A	Pass
Blue	F	SSC	55628	3.44	572	4	N/A	N/A	Pass
Blue	E	FITC	59	70.42	554	-7	0.0161	139	Pass
Blue	D	PE	123	57.16	554	-6	0.1431	321	Pass
Blue	B	PerCP-Cy5-5	210	54.68	660	-7	0.0073	32	Pass
Blue	A	PE-Cy7	114	113.60	716	-6	0.0091	17	Pass
Red	C	APC	360	29.05	600	-1	0.0192	161	Pass
Red	A	APC-Cy7	182	31.63	576	0	0.0045	919	Pass
Violet	B	V450	63	70.48	476	-1	0.0416	2108	Pass
Violet	A	V500	113	38.09	494	0	0.0188	870	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/26/2018 09:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.74	-32.10	1.04
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	17.52	13.60 - 20.40	N/A	N/A	29.20	29.81	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 12663

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments